

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P845791

Luminaire Tested: **GLAN-SB1A-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4036 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

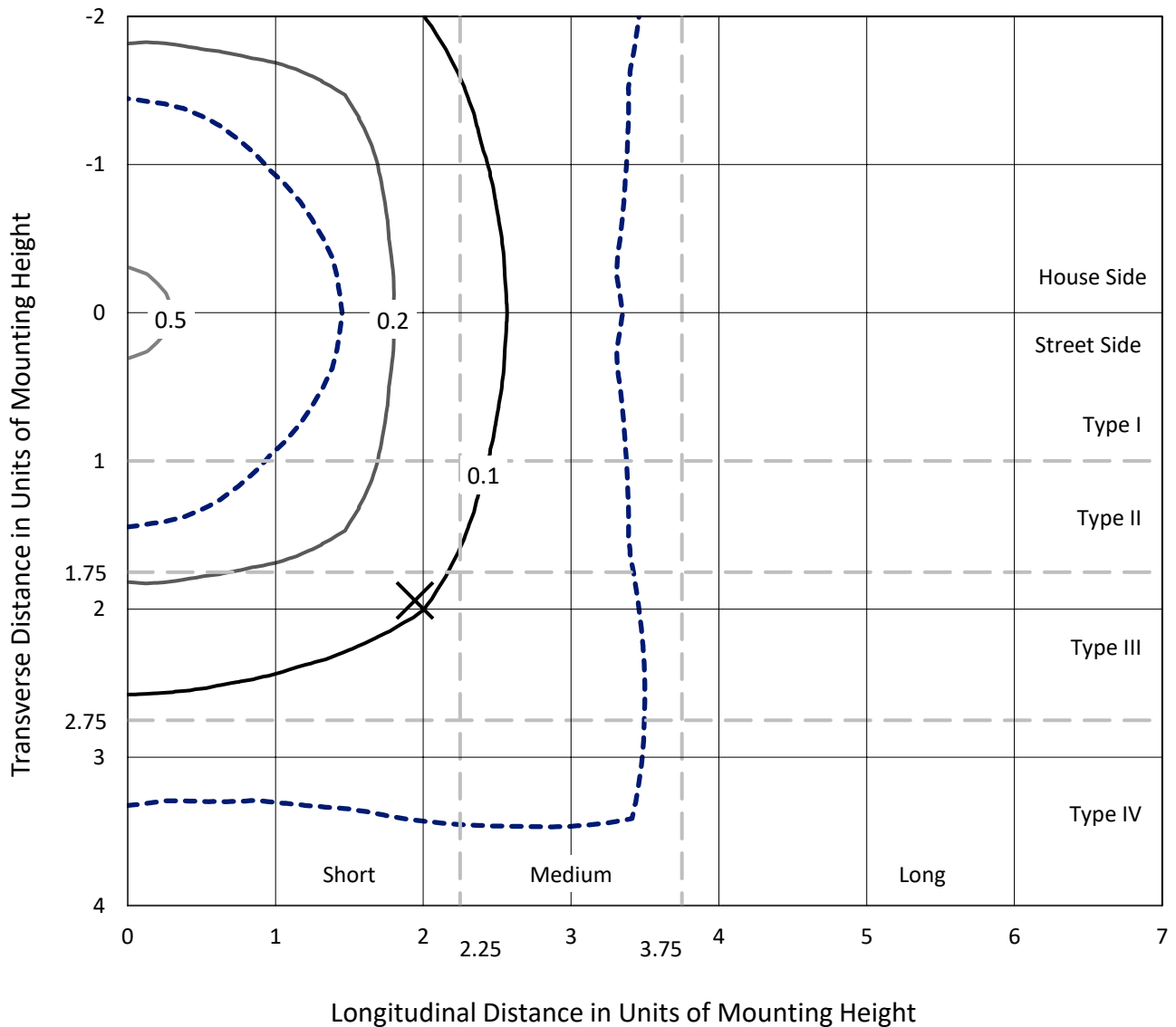
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

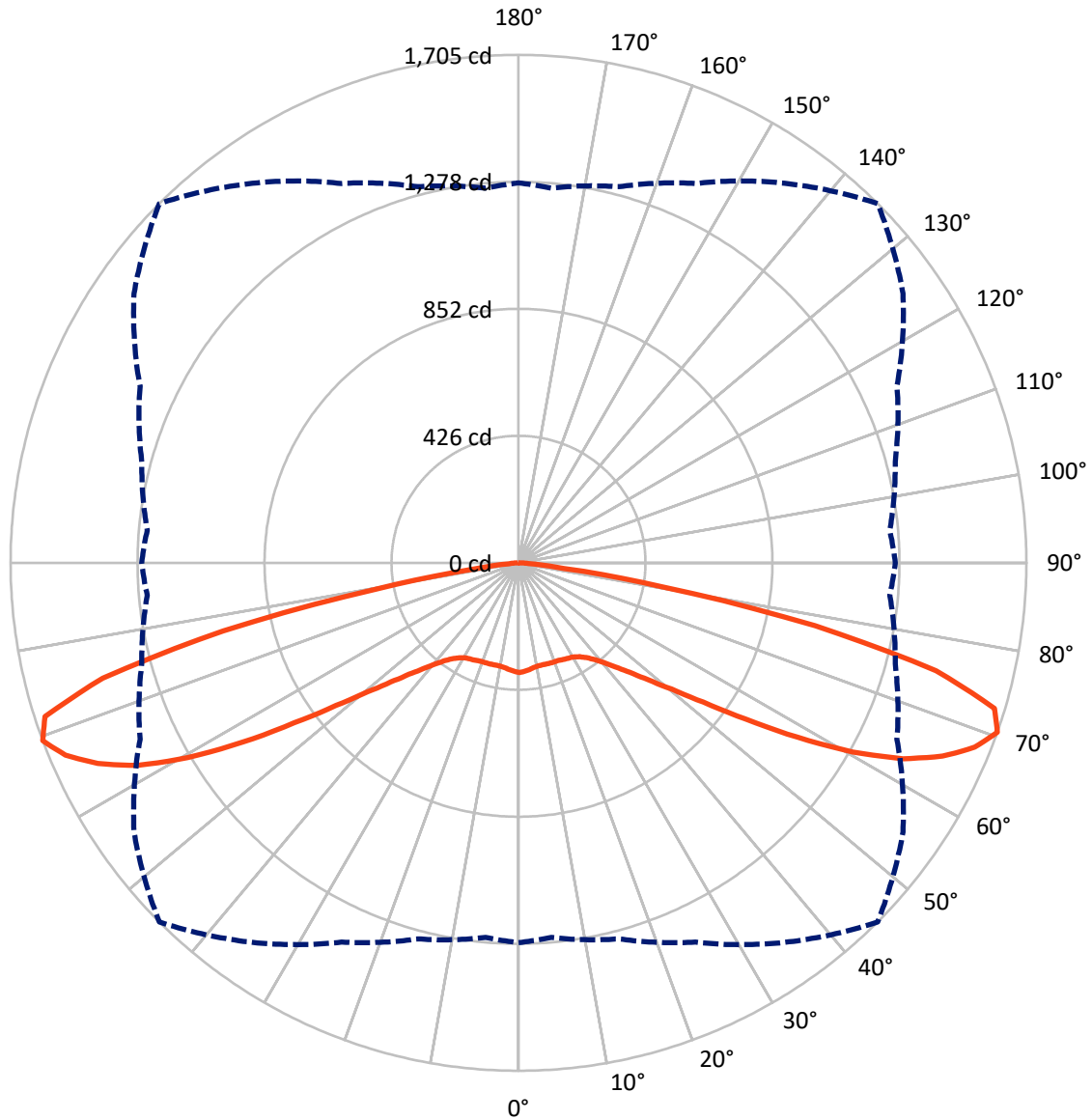
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2018.0	0.0	2018.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2018.0	0.0	2018.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4036.0	0.0	4036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	0.8
10°-20°	100.6	2.5
20°-30°	167.3	4.1
30°-40°	253.1	6.3
40°-50°	420.6	10.4
50°-60°	793.6	19.7
60°-70°	1340.0	33.2
70°-80°	880.5	21.8
80°-90°	46.1	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4036.0	100.0
0°-180°	4036.0	100.0

Coefficient of Utilization



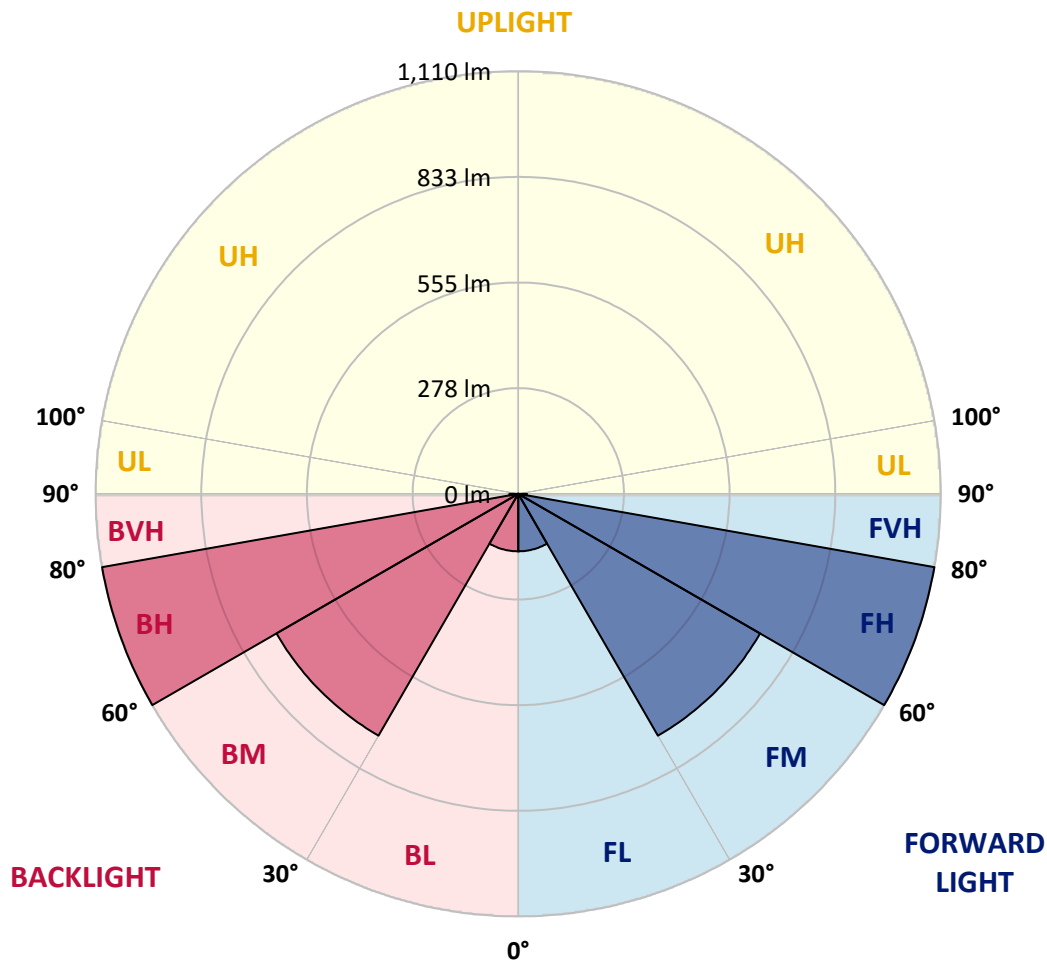
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.1	3.7			
FM (30°-60°)	733.6	18.2			
FH (60°-80°)	1110.2	27.5			G1/1800
FVH (80°-90°)	23.1	0.6			G1/100
BL (0°-30°)	151.1	3.7	B1/500		
BM (30°-60°)	733.6	18.2	B1/1000		
BH (60°-80°)	1110.2	27.5	B3/2500		G1/1800
BVH (80°-90°)	23.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2
2.5°	365.9	366.9	366.5	365.6	365.6	365.0	365.6	366.1	366.7	367.1
5°	361.0	361.9	361.7	361.0	361.2	360.6	361.0	361.7	362.1	362.3
7.5°	356.8	357.7	357.3	356.2	356.2	355.6	355.8	356.4	357.0	357.3
10°	355.8	356.6	355.4	353.7	353.1	352.2	352.4	353.1	354.3	354.9
12.5°	356.2	356.8	355.6	353.1	352.4	351.6	351.6	352.2	353.9	354.7
15°	357.5	358.1	356.2	353.5	352.9	352.2	352.0	352.9	354.7	356.2
17.5°	359.8	360.4	357.5	353.7	352.9	353.1	352.9	353.5	356.4	359.1
20°	361.9	362.3	358.3	353.7	352.9	353.1	352.9	354.1	357.9	361.7
22.5°	362.5	362.9	359.1	355.2	354.5	354.7	354.5	355.8	359.4	363.1
25°	362.7	363.3	360.4	357.3	358.3	358.7	358.3	358.5	361.2	364.6
27.5°	365.9	366.7	364.0	361.2	361.9	361.7	362.3	362.9	365.0	368.4
30°	372.4	373.0	370.7	368.0	367.5	366.1	368.0	370.1	372.4	375.3
32.5°	383.1	384.3	381.4	378.4	376.6	375.7	377.2	380.8	383.9	387.0
35°	400.9	401.7	399.0	393.5	390.2	390.2	391.5	396.1	401.1	405.1
37.5°	426.1	427.1	422.3	415.8	410.7	410.7	412.4	417.3	424.8	430.5
40°	456.7	458.2	452.1	445.4	440.5	439.7	441.8	447.3	454.4	461.5
42.5°	493.6	495.3	487.3	481.4	477.7	477.7	478.7	483.8	490.3	499.1
45°	540.8	543.8	532.8	527.0	523.4	524.2	524.9	529.3	535.1	545.2
47.5°	597.0	600.0	588.4	582.4	581.7	585.7	583.2	586.3	589.5	601.0
50°	660.8	665.8	657.9	657.5	658.7	666.1	660.2	661.9	658.3	665.6
52.5°	738.8	746.2	744.7	747.2	761.3	776.4	763.0	757.1	743.7	746.0
55°	833.5	844.6	846.7	861.8	893.7	924.5	896.0	872.3	843.7	838.5
57.5°	941.1	949.9	960.0	990.8	1050.4	1105.1	1050.4	997.9	953.0	942.3
60°	1056.9	1067.8	1077.4	1123.0	1211.5	1288.5	1209.8	1126.5	1067.2	1052.7
62.5°	1181.3	1195.3	1202.0	1252.6	1355.8	1447.7	1357.3	1256.4	1190.5	1175.0
65°	1300.6	1312.2	1319.7	1373.6	1472.2	1564.3	1479.0	1379.5	1311.8	1291.4
67.5°	1356.2	1362.5	1381.0	1442.0	1546.1	1651.2	1563.7	1448.5	1372.8	1337.1
70°	1274.8	1262.0	1306.5	1404.3	1554.9	1704.5	1575.0	1401.3	1308.6	1250.7
72.5°	985.1	963.1	1040.3	1207.5	1454.2	1670.5	1464.3	1216.9	1088.3	970.9
75°	536.0	511.0	617.6	829.1	1159.7	1447.9	1186.3	852.8	687.7	532.0
77.5°	151.3	141.8	227.8	401.1	697.5	1016.6	724.4	409.9	270.2	160.3
80°	46.4	44.9	60.8	120.8	296.2	486.9	284.7	122.3	77.4	48.9
82.5°	27.5	25.2	30.2	44.1	75.5	152.9	73.4	45.9	36.9	24.8
85°	15.7	14.7	17.8	21.4	25.4	32.5	21.2	21.8	19.7	13.2
87.5°	6.5	5.9	6.9	6.7	5.9	7.6	5.7	6.7	8.0	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
368.2
366.9
362.3
357.3
354.9
354.9
356.4
359.1
361.9
363.1
364.4
367.5
374.7
385.8
403.6
428.4
459.2
498.4
544.8
597.7
661.2
738.2
830.3
934.8
1040.1
1162.4
1281.3
1337.6
1264.6
1000.0
566.6
178.1
51.6
26.9
13.8
4.8
0.0

OF REPORT)